



► What is it?

It is a manager of credentials for citizens and companies that allows them to access registered sites easily and safely.

► Benefits



It eliminates the need to remember multiple passwords and usernames.



It integrates geolocation to prevent unauthorized access.

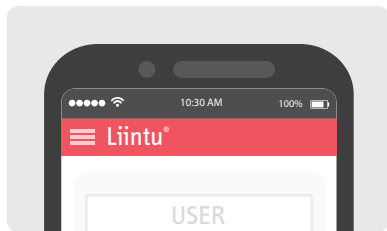


It adds last-generation authentication factors.



It allows to add sites or systems and their credentials.

► Differentials



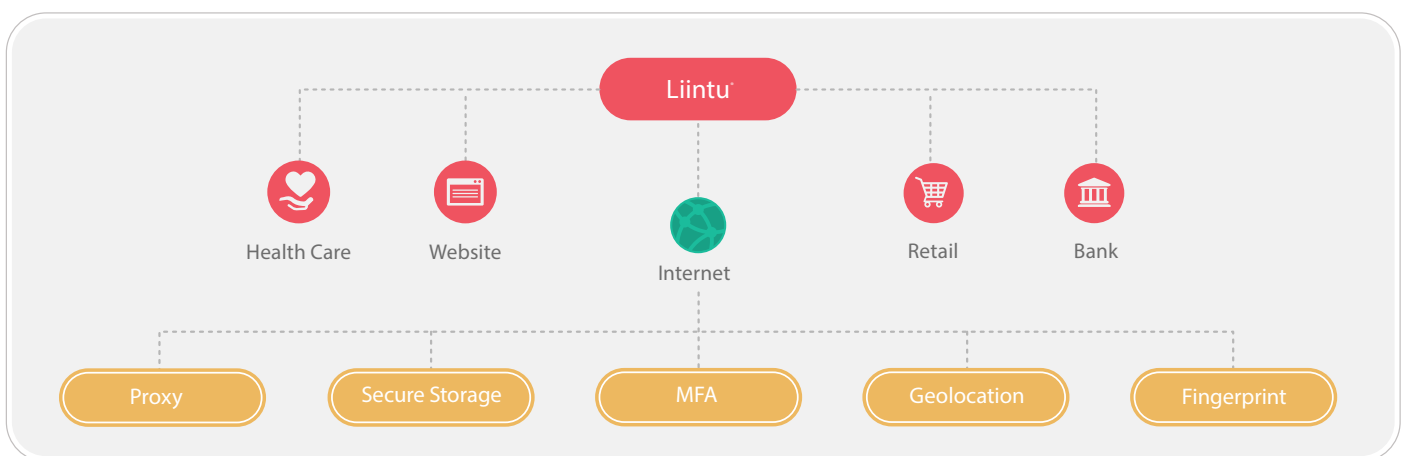
- It is agentless and does not require extensions.
- It allows to make critical transactions from any device.
- It stores the information in the cloud, instead of the device, to provide more security.



About Liintu®

It is a credential manager. It allows both citizens and companies to access quickly and safely to the registered sites.

It eliminates the need to remember a large number of passwords. It incorporates last-generation authentication elements. It integrates geographical tracking to prevent unauthorized access. It also enables the addition of sites, systems and their credentials.



Software requirements and compatibility

Operating System

Debian 7 or higher
 Ubuntu 14.04 or higher
 Red Hat RHEL 6 or higher
 Suse 10 or higher
 Solaris 10 x86
 Solaris 10 Sparc
 Windows 2008 R2 or higher

Databases

MySQL 5.6 or higher
 PostgreSQL 9 or higher
 Oracle 10 or higher
 MS SQL 2008 or higher
 MS SQL 5.6 or higher
 MariaDB 5.5 or higher
 DB2

Virtualization

VMWare
 Citrix
 Microsoft Hyper-V
 RHEV
 Virtual Box
 Docker

High Availability

HA Proxy
 KEEPALIVE
 REPMGR
 DRBD

Browsers

Firefox
 Internet Explorer 10 or higher
 Google Chrome
 Apple Safari

Java

Java 1.7 or higher
 Node JS
 PHP

Security

RSA / SHA1 / 3DES / AES 256
 Security Certificates
 EAP-PEAP-MSCHAP v2
 TimeStamp
 HOTP/OCRA/TOTP/HMAC

Web Server

Apache 2
 Nginx
 IIS
 Weblogic
 Jboss
 Tomcat
 WebSphere

Integrations WS-I Basic Profile 2.0 SOAP 1.1 or higher WSDL 1.1 / WS-Security WSI XML Schema 1.0 TSL 2.0	Access Management Radius Cisco ACS 4.2 or higher FreeRadius Active Directory Samba Cisco ISE	Register & Report Management Crystal Reports Syslog Nagios	Mobile OS iOS, Android, Windows Phone, HTML5, USSD SMS, Push Notification
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Technical Information

This solution works as an authentication proxy, managing all passwords in one place. It can be used on premise or on the cloud.

The sites are registered only once with their own credentials, and then the access is given via Liintu®, in a secure way. Credentials are not saved in the browser.

The traffic is encrypted, and it can be used as a Single Sign On (SSO) for internal systems.

Hardware Sizing*

Number of users	Primary Instance		Secondary Instance		Transactions per second	Storage required
	Processor	Memory	Processor	Memory		
1 to 10,000	4 processing threads	4 GB RAM	4 processing threads	4 GB RAM	20	60 GB - HD
10,000 to 50,000	8 processing threads	6 GB RAM	8 processing threads	6 GB RAM	40	120 GB - HD
50,000 to 100,000	16 processing threads	8 GB RAM	16 processing threads	8 GB RAM	80	240 GB - HD
100,000 to 250,000	32 processing threads	16 GB RAM	32 processing threads	16 GB RAM	160	480 GB - HD
250,000 to 1,000,000	64 processing threads	32 GB RAM	64 processing threads	32 GB RAM	320	1 TB - HD

* The present sizing estimation assumes a high availability setup.

